

"ALPINE SKI"™ UPRIGHT TABLE OF CONTENTS

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"ALPINE SKI" UPRIGHT

1. GAME SET-UP

A. INTRODUCTION

"ALPINE SKI"

In Alpine Ski the real enjoyment of skiing is presented by lifelike Down Hill Skiing, Slalom Racing and Ski Jump Competition. The object of the game is to manuever your Skier around snow mobiles, beginning skiers, etc., skillfully enough to gain the highest amount of points and to go on to the Slalom Course and the Jump Competition. The speed of the Skier can be controlled by depressing the Button. Skiing down the slope successfully allows a Player the chance to challenge the Slalom Course. Be careful not to knock down any poles or you will receive a penalty. Completion of the Slalom Course allows your Skier to go on to the Ski Jump. In the Jump Competition, use the Radar found on the upper portion of the screen to maximize the distance of the jump for Bonus Points. Playing time is increased when the Player reaches the specified Bonus Level.

B. GAME INSPECTION

TAITO AMERICA'S CORPORATION'S "ALPINE SKI"™ upright game is ready to play when received. However, careful inspection is necessary to insure your game is in perfect condition. Please verify the following before turning the game on.

- Examine external parts for chips, dents, or broken parts.
- Open the service door and examine the following:
 - Plug-in connectors to make sure they are firmly seated.
 - * Speaker
 - Player Controls
 - Printed Circuit Boards making sure there is no damage to the components.
 - Check for loose foreign objects, especially metal objects which may cause electrical problems.
 - * Fuses, making sure they are firmly in the holders.
 - * Coin Mechanisms

The Video Monitor is properly adjusted before shipping. If there are any adjustments necessary refer to our Video Monitor Manual (72-00016-001).

If problems occur or technical assistance is required, contact our Customer Service Department HOT LINE Toll Free 800-323-0666 (except Illinois). Illinois phone 312 981-1000 X215.

POWER REQUIREMENTS

TAITO AMERICA CORPORATION'S "ALPINE SKI"™ upright game is shipped ready for operation at 120VAC, 60Hz with a power consumption of approximately 250 Watts.

CAUTION

For safe operation it is recommended the cabinet be grounded. This game is equipped with a three conductor power cable. The third conductor is the ground conductor and when the cable is plugged into an appropriate receptable, the game is grounded. The offset pin on the power cable's three-prong connector is the ground connection.

LOCATION SPACE REQUIREMENTS

Depth - 35" (87.5cm) Width - 24" (61cm) Height - 68" (171cm) Weight - 300 lbs. (Packaged Weight)

C. GAME INSTALLATION

The following precautions should be followed when installing the game.

- * Avoid rough handling of the game, the picture tube is fragile.
- * Install the game on a level surface.
- Avoid installing the game where it may receive excessive sunlight or heat, to prevent the game from rising internal temperature.
- * Do not install in a damp or dusty location.
- For a short time after connecting the power to the game, the picture may be temporarily distorted.

D. DIP SWITCH AND VOLUME CONTROL SETTINGS

Dip Switch A

| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------|-----------|-----|-----|---|-----|-----|-------|-----|----------|
| Bonus Points for | 500-1500 | QN | ON | | 1 | | | | 22 — C |
| Successful Jump | 800-2000 | OFF | ON | 1 | | - | | | |
| | 1000-2500 | ON | OFF | N | | 540 | Posto | | SE 538 |
| | 2000-4000 | OFF | OFF | 0 | | | 1000 | | |
| Game Time | 1:00 | | - 8 | Т | ON | ON | | | |
| (Minutes) | 1:30 | | | | OFF | ON | | | |
| | 2:00 | | | U | ON | OFF | | | NAS - 0. |
| | 2:30 | | | S | OFF | OFF | | | |
| Test | Test | | | E | | - 8 | ON | | |
| | Normal | | | D | | | OFF | | |
| Screen Inversion | 1P Side | | | 1 | | 33 | | ON | |
| | 2P | | | 1 | | | | OFF | |
| Game Style | Table | | | | | | | | ON |
| 15 | Upright | | | | | | | | OFF |

Dip Switch B

| | | 1. | WAY | | | 2 - | WAY | |
|-----------------|-----|------|-----|-----|-----|------|-----|------|
| Play Pricing | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 Coin - 1 Play | ON | ON | | | ON | ON | | |
| 1 Coin - 2 Play | OFF | UN | ON | | OFF | UN | ON | |
| 1 Coin - 3 Play | ON | OFF | UN | ON | ON | OFF | ON | ON |
| 1 Coin - 4 Play | OFF | UIT | | UN | OFF | UIT | | UN |
| 1 Coin - 5 Play | ON | OM | | | ON | O.V. | | |
| 1 Coin - 6 Play | OFF | ON | 8 | | QFF | ON | | |
| 1 Coin - 7 Play | ON | ^== | OFF | | ON | | OFF | |
| 1 Coin - 8 Play | OFF | OFF | | | OFF | OFF | | |
| 2 Coin - 1 Play | ON | 011 | ĺ | | ON | - N | | |
| 3 Coin - 1 Play | OFF | ON | | | OFF | ON | | |
| 4 Coin - 1 Play | ON | 0.55 | ON | | ON | 255 | ON | |
| 5 Coin - 1 Play | OFF | OFF | | OFF | OFF | OFF | | OFF |
| 6 Coin - 1 Play | ON | | | | ON | | | - 53 |
| 7 Coin - 1 Play | OFF | ON | OFF | | OFF | ON | OFF | |
| 8 Coin - 1 Play | ON | 255 | | | ON | 0.55 | | |
| 9 Coin - 1 Play | OFF | OFF | | | OFF | OFF | | |

Dip Switch C

| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------------|-------------|-----|------------------|----------|-----------|----------------|------|------|------|
| Points to qualify | 10,000 pts. | ON | ON | | | | | | |
| For first game | 15,000 pts. | OFF | ON | | | 127.157.2 1 | 50 7 | | |
| Time extension | 20,000 pts. | ON | OFF | | | | | | |
| | 25,000 pts. | OFF | OFF | | 200900000 | 150.000 | E SE | | 32.5 |
| Points to qualify | 5,000 pts. | | 55 5000000000 | QN | QN | QN | | 0.00 | |
| For additional | 6,000 pts. | | | OFF | ON | ON | | | |
| 2nd game time | 7,000 pts. | | | ON | OFF | ON | | | |
| Extension | 8,000 pts. | | | OFF | OFF | ON | | | |
| | 9,000 pts. | | | ON | ON | OFF | | | |
| | 10,000 pts. | | | OFF | ON | OFF | | | |
| | 11,000 pts. | | | ON | OFF | OFF | | | |
| | 12,000 pts. | T | | OFF | OFF | OFF | - 3 | | |
| Display of Year | YES | | | | | | OFF | | |
| 5 (5) | NO | | | | | | ON | | |
| No Hit | No Hit | | | | | | | OFF | |
| | Normal | | | | | | | ON | |
| Coin System | 2 Way | | | A VIOLET | | | | | OFF |
| | 1 Way | | 100,000,000 | V-1- | | | | | ON |

OPTION SWITCHES FIGURE 1

SWA

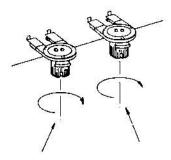
SWB



SWC



VOLUME CONTROL LOCATIONS FIGURE 2



VOLUME CONTROL SETTING

The Volume increases by turning the potentiometer as indicated in Figure 2.

2. MAINTENANCE

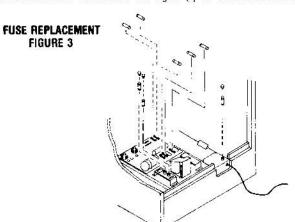
All games require a certain amount of maintenance to keep them in good condition. A periodic check of mechanical controls would be beneficial to guarantee your game will be profitable.

A. CLEANING

The exterior of the game, all metal parts and all plastic parts can be cleaned with an non-abrasive cleanser. Caution should be used when cleaning the plastic, a dry cloth can cause scratches and result in a foggy appearance.

B. FUSE REPLACEMENT

This game contains 8 fuses. Seven of these fuses can be found on the Power Supply Assembly, five (5) are on the PCB and two (2) are on the Power Supply Bracket. One (1) is located at the bracket where the AC line cord comes into the cabinet. See Figure (1) for location of these fuses.



C. VIDEO MONITOR REMOVAL

If you need to remove the Video Monitor, follow the Instructions listed below.

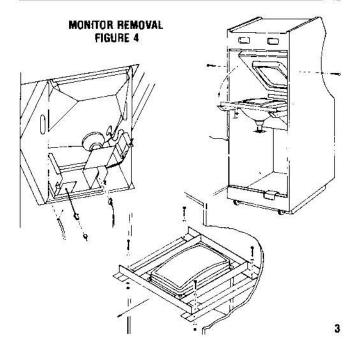
CAUTION

It is recommended the game be left disconnected for at least one hour before removing the Video Monitor. This will probably discharge the Video Tube but EXTREME CAUTION is still necessary.

- * Disconnect power from the line voltage.
- * Disconnect the Monitor cable connector.
- * Remove the wire cable clamp.
- * Take out the two side bolts, one on each side of the cabinet.
- Remove the four mounting bolts and disconnect the green ground wire.
- * Slide the Monitor out by pulling the Monitor toward you.

CAUTION

Use extreme caution and do not touch electrical parts of the Monitor Yoke area with your hands or with any metal object in your hands! High voltages may exist in any Monitor, even with power disconnected.



D. VIDEO MONITOR ADJUSTMENTS

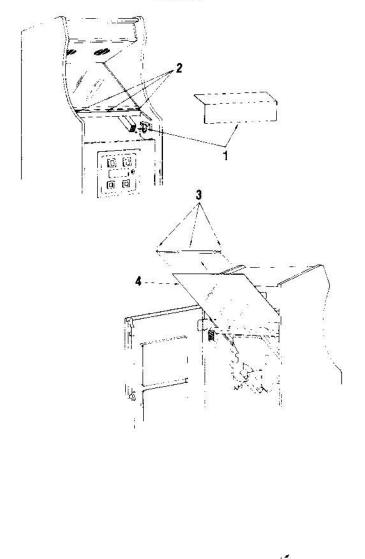
TAITO AMERICA CORPORATION presently uses either a Wells-Gardner or an Electrohome 19" color monitor in the "ALPINE SKI"Mame. Refer to Monitor Manual (72-00016-001) for your specific Video Monitor. Be sure to heed all the WARNINGS AND CAUTION INSTRUCTIONS provided before repairing or replacing your Video Monitor.

E. COVER GLASS REMOVAL

To remove the Cover Glass follow the instructions listed below:

- 1. Remove the control Panel.
- 2. Loosen three (3) screws on the Cover Glass, front bracket.
- 3. Open Service Door and remove the (Rear) Cover Glass Bracket.
- 4. Slide glass out through the Service Door.

COVER GLASS REMOVAL FIGURE 5



F. PRINTED CIRCUIT BOARD REPLACEMENT

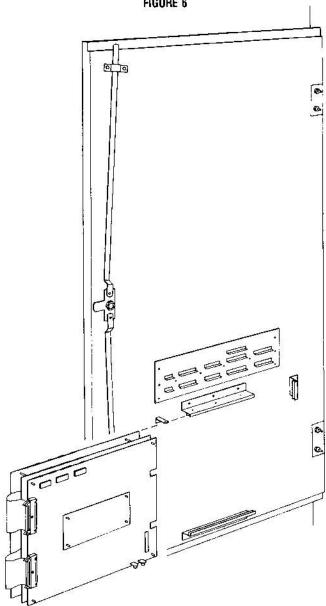
You may wish to remove the "ALPINE SKI"™ Printed Circuit Boards for servicing. Refer to Figure 6.

for servicing Refer to Figure 6.
The "ALPINE SKI" Printed Circuit Boards are located on the inside of the Rear Service Door for easy access.

To remove the boards the following steps should be followed:

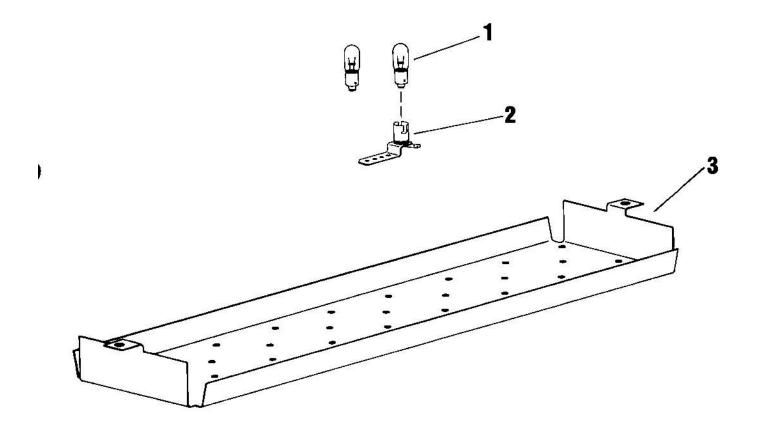
- Open the rear service door, the power will automatically be removed by the Interlock Switch located on the inside of the door frame.
- 2. Disconnect the connector G, H, and T from the boards.
- Loosen and turn the Stop Bracket and pull the boards toward you out of the board guides.





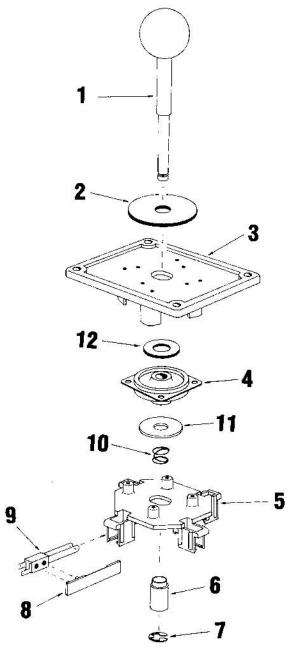
INCANDESCENT PANEL

| ITEM | TAITO PART NO. | DESCRIPTION | 4 |
|------|-------------------|------------------------|--------|
| 1 | 27-00006-001 | Lamp #47 | 70.724 |
| 2 | 26B00009-001 | Bayonet Base Socket | 265 |
| 3 | 26B00009-001 | Marquee Lighting Plate | |



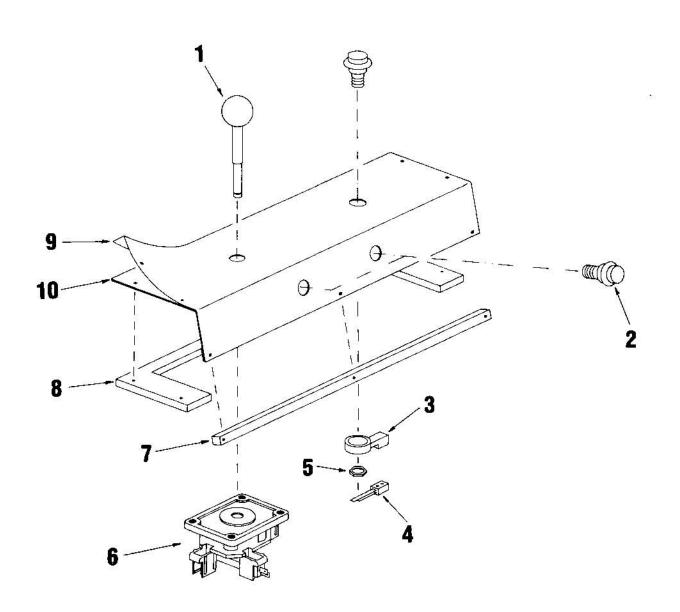
2-WAY JOYSTICK

| ITEM | TAITO PART NO. | DESCRIPTION |
|------|-------------------|-----------------|
| M. | 63B00071-001 | Ball & Shaft |
| 2 | 63A00074-001 | Mask |
| 3 | 63C00069-001 | Mounting Plate |
| 4 | 62C00004-001 | Shock Mount Pad |
| 5 | 63C00070-001 | Switch Plate |
| 6 | 63A00075-001 | Actuator |
| 7 | 59B00020-017 | "E" Ring |
| 8 | 63A00072-001 | Switch Spacer |
| 9 | 29B00033-001 | Leaf Switch |
| 10 | 58A00006-001 | Spring |
| 11 | 61A00227-001 | Spacer |
| 12 | 63A00073-001 | Spacer, Plastic |



CONTROL PANEL

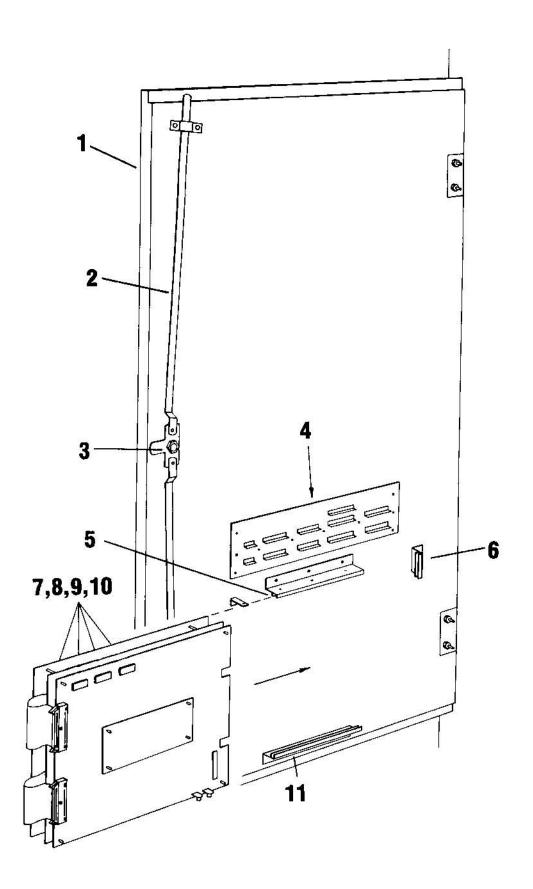
| ITEM | TAITO PART NO. | DESCRIPTION |
|------|-------------------|----------------------|
| 1 | 63B00031-004 | Ball & Shaft |
| 2 | 63B00024-001 | Push Button White |
| 3 | 63-00025-001 | Switch Support |
| 4 | 29800020-001 | Switch, Push Button |
| 5 | 54A07001-008 | Nut, Stamped %-11 |
| 6 | 63D00067-001 | 2-Way Control |
| 7 | 42800108-001 | Cleate Wood |
| 8 | 42D00017-001 | Control Panel Wood |
| 9 | 63D00066-001 | Lexan Decal |
| 10 | 07M00224-001 | Control Panel, Metal |



DOOR ASSEMBLY

| ITEM | TAITO PART NO. | DESCRIPTION | |
|------|-------------------|---------------------|------|
| 1 | 42D00128-001 | Rear Door | |
| 2 | 61A00111-001 | Bracket, Lock Rod | 2500 |
| 3 | 04-00037-002 | Lock Kit | |
| 4 | 08-00017-001 | Filter P.C.B. | ě |
| 5 | 63B00077-001 | Board Guide | |
| 6 | 61A00014-001 | "L" Bracket | |
| 7 | 08-00028-002 | Game P.C.B. | |
| 8 | 08-00028-003 | CPU P.C.B. | |
| 9 | 08-00028-004 | Video P.C.B. | - |
| 10 | 08-00028-005 | ROM P.C.B. | |
| 11 | 61-00228-001 | Bracket, P.C. Board | |

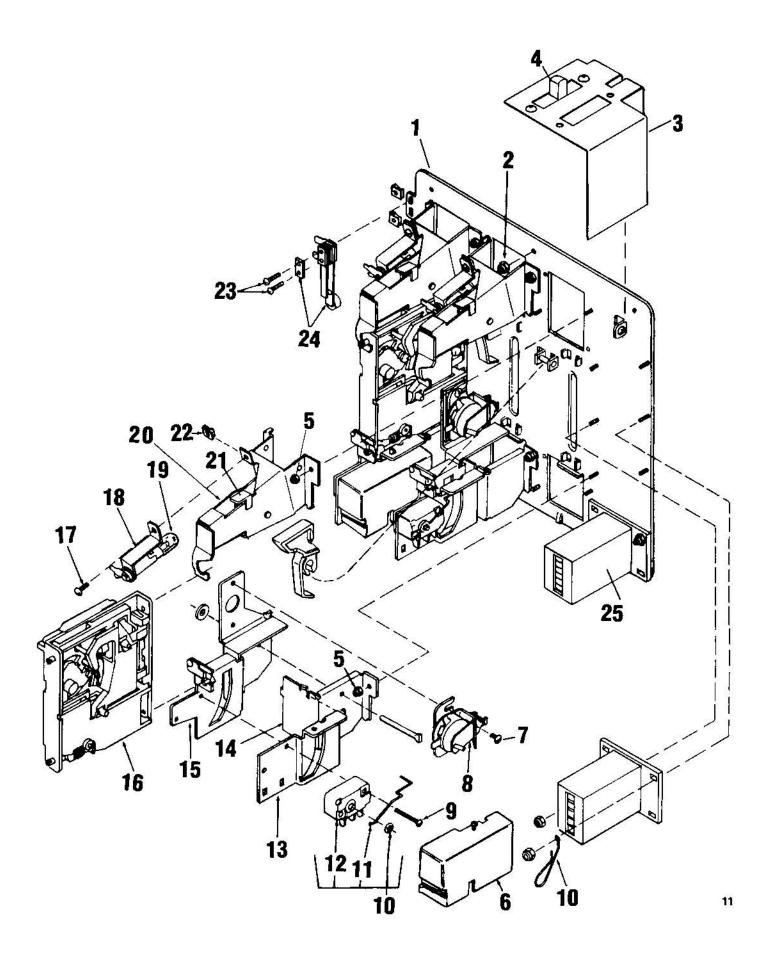
DOOR ASSEMBLY



COIN DOOR

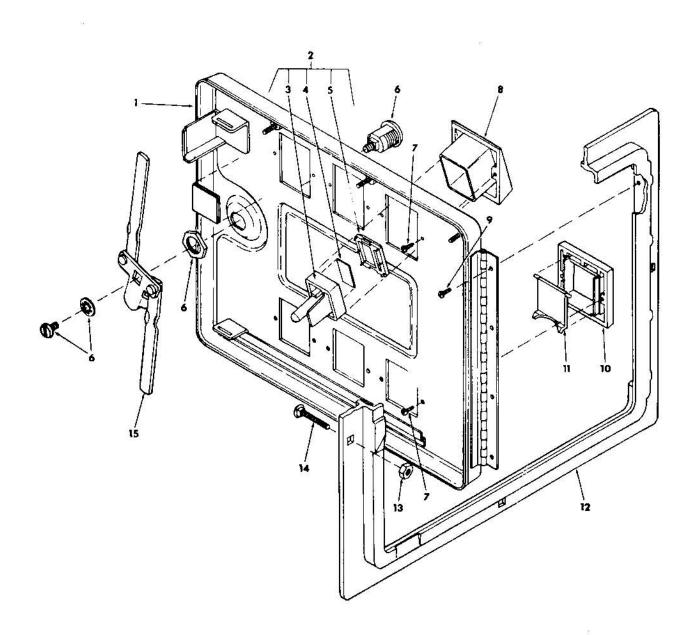
| ITEM | TAITO PART NO. | DESCRIPTION | REFERENCE |
|------|-------------------|--------------------------------------|-----------|
| 1 | 07-00027-001 | Inner Panel With Levers Sub Assembly | 404429 |
| 2 | 54-03013-001 | Nut #8-32 | 400-8 |
| • | 09-00017-001 | Custom Harness Assembly (SHL Coin) | |
| * | 09-00017-002 | Custom Harness Assembly (Dual Coin) | 38 38 |
| 3 | 61B00113-001 | Service Switch Bracket | |
| 4 | 29-00022-001 | Service Switch | |
| 5 | 54-03011-001 | Nut #4-40 | |
| 6 | 63-00014-001 | Switch Cover | 904762 |
| 7 | 51-02052-001 | Screw #6-32 x 3/16 SS ph | 100-6-3 |
| 8 | 23-00001-001 | C.R.E.M. Coil Assembly | 404354 |
| 9 | 51-02052-001 | Screw #6-32 x 3/18 SS ph | 100-4-12 |
| 10 | 59-00019-001 | Retainer | 900651 |
| 11 | 28-00029-001 | Silver Switch Wire for U.S. 25* | 904710-1 |
| 12 | 29-00007-001 | Switch | 904845 |
| 13 | 61-00044-001 | Coin Chute | 904701 |
| 14 | 61-00045-001 | Coin Return Box | 904598 |
| 15 | 61-00025-001 | Switch & C.R.E.M. Coil Bracket | 404428 |
| 16 | 59-00018-001 | 25° Acceptor | 5301-10 |
| 17 | 51-02051-006 | Screw 4-40 x % SS ph | 110-4-6 |
| 18 | 27-00003-001 | Miniature Bayonet Base Lamp | 904717 |
| * | 26-00006-001 | Lamp Socket | |
| 19 | 27-00003-001 | #47 Lamp (6.3 Volt) | 904716 |
| 20 | 61-00048-001 | Coin Inlet Chute | 904418 |
| 21 | 61-00047-001 | Right Half of Coin Inlet Chute | 904594 |
| 22 | 54-00001-001 | "U" Type Fastener | 904712 |
| 23 | 51-02051-006 | Screw 4-40 x ½ SS ph | 116-4-8 |
| 24 | 29-00006-001 | Slam Switch Assembly | 904704 |
| 25 | 998325 | Coin Meters | |
| | | | |

^{*}Item not shown on drawing.



COIN DOOR

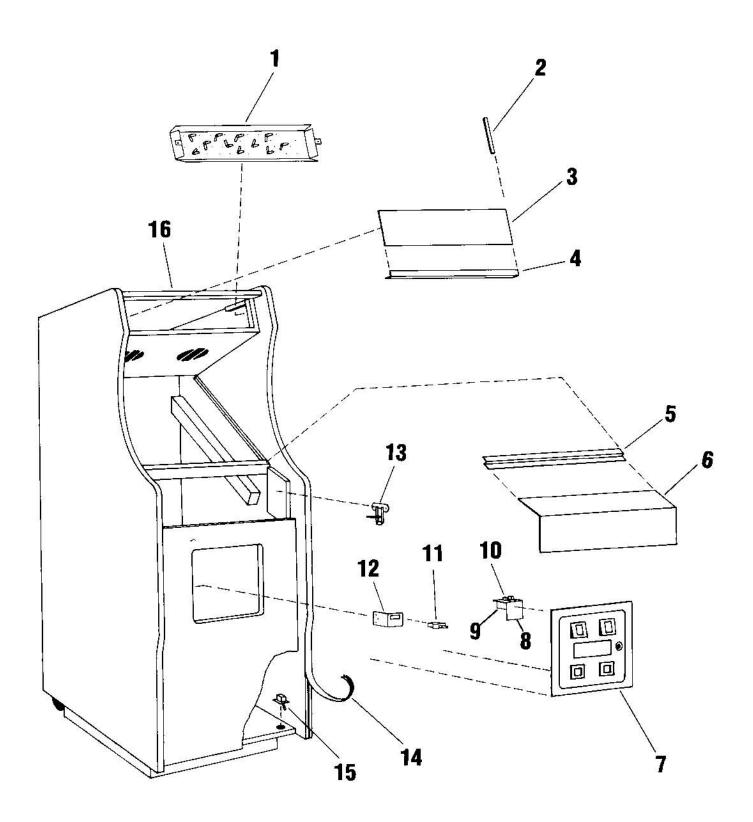
| ITEM | TAITO PART NO. | DESCRIPTION | REFERENCE |
|------|-------------------|---|--|
| 1 | 61-00042-001 | Coin Door Only (2 Coin) | 404341 |
| 2 | 07-00023-001 | Coin Return Button Assembly For U.S. 25¢ Coin | 404348-1 |
| 3 | 63-00015-001 | Coin Return Button | 904591 |
| 4 | 79-50004-001 | U.S. 25° Price Decal | 904703 |
| 5 | 63-00016-001 | Coin Return Button Cover for U.S. 25° Coin | |
| 6 | 07-00025-001 | Lock Assembly | 904707-1 |
| 6A | 07-00025-001 | Lock Assembly | 904707-1 |
| 7 | 51-01051-003 | Screw #4 x 5/16 SL ph Type B | 345-4-5 |
| 7A | 51-01051-003 | Screw #4 x 5/36 SL ph Type B | 345-4-5 |
| 8 | 63-00011-001 | Coin Button Housing | 904588 |
| 9 | 51-02051-002 | Screw #4-40 x 1/4 SL ph | 325-4-4 |
| 10 | 63-00012-001 | Coin Return Bezel | 904590 |
| 11 | 63-00013-001 | Coin Return Cover | 904599 |
| 12 | 61-00040-001 | Coin Door Frame 11% x 13% | 904581 |
| | | Mounts in a 10% x 123/16 Opening | The state of the control of the state of the |
| 13 | 54-01005-001 | Hex Nut 1/4-20 | 406-416 |
| 14 | 51A03003-113 | Carriage Bolt | 904734 |
| 15 | 07-00026-001 | Lock Arm Assembly | 404357 |



CABINET ASSEMBLY UPRIGHT FRONT VIEW

| ITEM | TAITO PART NO. | DESCRIPTION |
|------|-------------------|-----------------------------|
| 1 | 07M00055-001 | Incandescent Panel |
| 2 | 63B00006-001 | "U" Channel Bracket |
| 3 | 47M00012-004 | Marquee |
| 4 | 61C00115-001 | Marquee Retaining Bracket |
| 5 | 61D00012-001 | Lower Cover Glass Bracket |
| 6 | 07M00121-001 | Control Panel Assembly |
| 7 | 07-00114-001 | Coin Door |
| 8 | 61B00113-001 | Switch Bracket |
| 9 | 07M00118-001 | Service Switch Assembly |
| 10 | 29-00022-001 | Slide, Center Return Switch |
| 11 | 29B00015-001 | Interlock Switch |
| 12 | 61000201-001 | Interlock Switch Bracket |
| 13 | 59-00008-001 | Latching Clamp |
| 14 | 63B00002-004 | "T" Molding |
| 15 | 29A00023-001 | Power ON/OFF Switch |
| 16 | 41D00009-004 | Finish Cabinet |

CABINET ASSEMBLY UPRIGHT FRONT VIEW

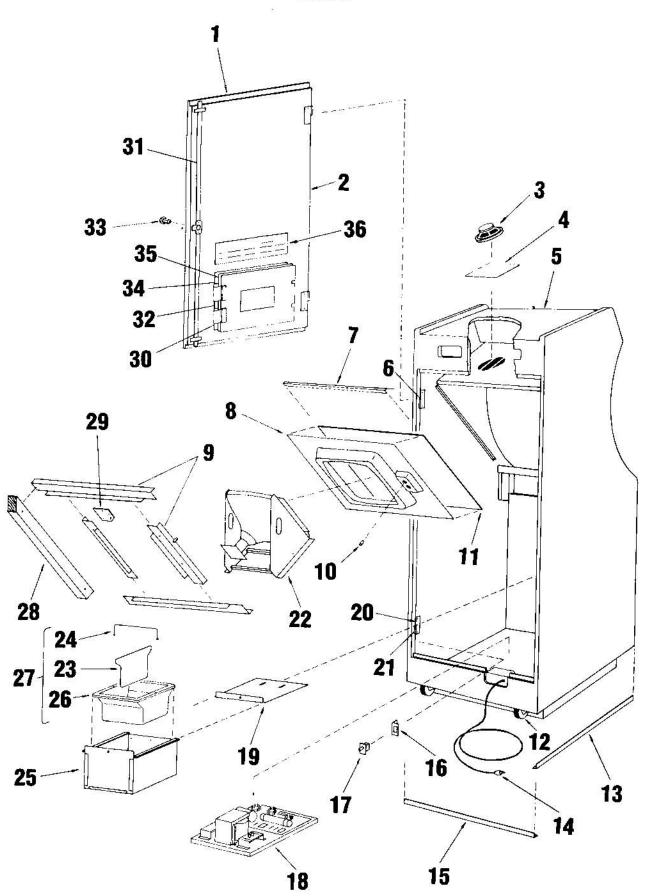


CABINET ASSEMBLY UPRIGHT REAR VIEW

| ITEM | TAITO PART NO. | DESCRIPTION |
|------|-------------------|--------------------------------|
| 1 | 42D00069-001 | Door & Board Mounting Assembly |
| 2 | 42D00016-001 | Door Panel |
| 3 | 21000003-001 | Speaker 6" round |
| 4 | 61B00027-001 | Speaker Grill |
| 5 | 41D00009-004 | Finish Cabinet |
| 6 | 61B00057-001 | Leaf Hinge |
| 7 | 61000006-001 | Upper Cover Bracket |
| 8 | 63000035-001 | Monitor Shroud |
| 9 | 61000080-001 | Monitor Mounting Bracket |
| 10 | 27-00006-001 | #47 Bulb, Lighted Instr. |
| 11 | 47M00013-004 | Cover Glass |
| 12 | 44000001-001 | Wheels |
| 13 | 63C00005-004 | "Leaf" Molding |
| 14 | 07M00042-001 | A/C Line Cord |
| 15 | 63000005-022 | "L" Molding |
| 16 | 61B00030-002 | Interlock Bracket |
| 17 | 29800015-001 | Interlock Switch |
| 18 | 07M00039-001 | Power Supply |
| 19 | 61000054-001 | Cash Box Lid |
| 20 | 61B00056-001 | Leaf Hinge |
| 21 | 61A00055-001 | Hinge Pin |
| 22 | 31-00006-001 | 19" Color Monitor |
| 23 | 63-00019-001 | Cash Tray Separator |
| 24 | 61-00039-001 | Cash Tray Handle |
| 25 | 61C00060-001 | Cash Box |
| 26 | 63-00010-001 | Cash Tray (Only) |
| 27 | 07M00054-001 | Cash Tray Assembly |
| 28 | 42C00013-001 | Monitor Support Cleat |
| 29 | 61C00086-001 | Corner Bracket |
| 30 | 08-00028-002 | Game P.C.B. |
| 31 | 60B00142-001 | Lock Rod Assembly |
| 32 | 08-00028-004 | Video P.C.B. |
| 33 | 04M00037-002 | Lock Kit |
| 34 | 08-00028-003 | CPU P.C.B. |
| 35 | 08-00028-005 | ROM P.C.B. |
| 36 | 08-00017-001 | Filter P.C.B. |

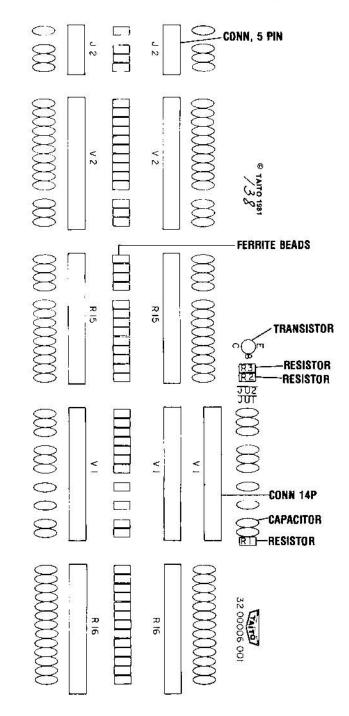
CABINET ASSEMBLY UPRIGHT REAR VIEW





FILTER BOARD

| ITEM | TAITO PART NO. | DESCRIPTION | QUANITY |
|------|-------------------|-----------------------------|---------|
| 1 | 12-10003-471 | Cap, 470pf ± 10% Axial Lead | 74 |
| 2 | 17-00001-001 | Ferrite Bead Assembly | 42 |
| 3 | 25-00002-014 | Connector 14P | 9 |
| 4 | 25-00002-005 | Connector 5P | 2 |
| 5 | 14-23904-001 | Transistor NPN 2N3904 | 1 |
| 6 | 11-00001-102 | Resistor 1K ohm 1/4W | 1 |
| 7 | 11-00001-332 | Resistor 3.3F ohm 1/4W | 2 |
| 8 | 63800068-001 | Stand Off | 6 |



POWER SUPPLY

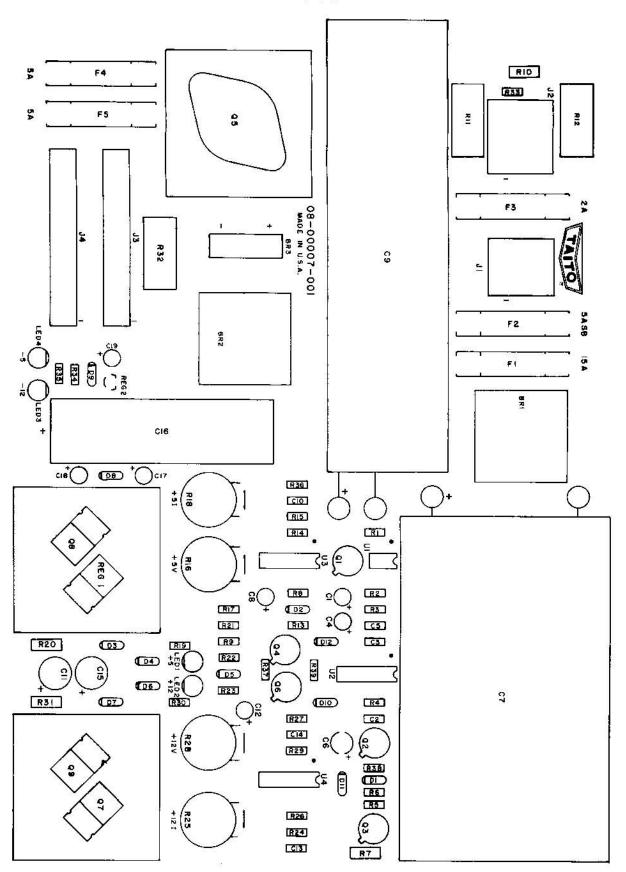
| SYM | TAITO PART NO. | DESCRIPTION | |
|------|-------------------|-------------------------------|--|
| R1 | 11-00001-102 | Resistor 1.0K 5% ¼W 5% | |
| R2 | 11-00001-512 | Resistor 5.1K ¼W 5% | |
| R3 | 11-00001-183 | Resistor 18K ¼W 5% | |
| R4 | 11-00001-224 | Resistor 220K ¼W 5% | |
| R5 | 11-00001-472 | Resistor 4.7K ¼W 5% | |
| R6 | 11-00001-222 | Resistor 2.2K ¼W 5% | |
| R7 | 11-10001-101 | Resistor 100 ¼W 5% | |
| R8 | 11-00001-102 | Resistor 10K ¼W 5% | |
| R9 | 11-00001-472 | Resistor 4.7K ¼W 5% | |
| R10 | 11-10001-101 | Resistor 100 1/2W 5% | |
| R11 | 11-30001-015 | Resistor .15 4W 5% | |
| R12 | 11-30001-015 | Resistor .15 4W 5% | |
| R13 | 11-00001-472 | Resistor 4.7K 1/4W 5% | |
| R14 | 11-00001-222 | Resistor 2.2K 1/4W 5% | |
| R15 | 11-00001-222 | Resistor 2.2K 1/4W 5% | |
| R16 | 11-60001-252 | Pot 2.5K ¼W 20% | |
| R17 | 11-00001-222 | Resistor 2.2K ¼W 5% | |
| R18 | 11-60001-102 | Pot 1.0K ¼W 20% | |
| R19 | 11-00001-511 | Resistor 510 ¼W 5% | |
| R20 | 11-10001-470 | Resistor 47 1/2W 5% | |
| R21 | 11-00001-162 | Resistor 1.6K 1/4W 5% | |
| R22 | 11-00001-103 | Resistor 10K ¼W 5% | |
| R23 | 11-00001-472 | Resistor 4.7K ¼W 34 | |
| R24 | 11-00001-222 | Resistor 2.2K ¼W 5% | |
| R25 | 11-60001-102 | Pot 1.0K 1/4W 5% | |
| R26 | 11-00001-472 | Resistor 407K ¼W 5% | |
| R27 | 11-00001-222 | Resistor 2.2K ¼W 5% | |
| R28 | 11-60001-252 | Pot 2.5K ¼W 20% | |
| R29 | 11-00001-472 | Resistor 4.7K ¼W 5% | |
| R30 | 11-00001-122 | Resistor 1.2K ¼W 5% | |
| R31 | 11-10001-470 | Resistor 47 ¼W 5% | |
| R32 | 11-30001-015 | Resistor .15 4W 5% | |
| R33 | 11-00001-222 | Resistor 2.2K ¼W 5% | |
| R34 | 11-00001-122 | Resistor 1.2K ¼W 5% | |
| R35 | 11-00001-511 | Resistor 510 ¼W 5% | |
| R36 | 11-00001-222 | Resistor 2.2K V4W 5% | |
| R37 | 11-00001-104 | Resistor 100K | |
| R38 | 11-00001-103 | Resistor 10K ¼W 5% | |
| R39 | 11-00001-224 | Resistor 220L 1/4W 5% | |
| C1 | 12-30001-225 | Capacitor, Tantalum 2.2uf 25V | |
| C2 | 12-10004-103 | Capacitor, Ceramic .01uf | |
| C3 | 12-10004-103 | Capacitor, Ceramic .01uf | |
| C4 | 12-30001-105 | Capacitor, Tantalum 1 uf 35V | |
| U4 . | 12-3000 1-103 | Capacitor, rantalum 1.01 554 | |

| SYM | TAITO PART NO. | DESCRIPTION | | |
|------|-------------------|----------------------------------|--|--|
| C5 | 12-10001-102 | Capacitor, .001uf | | |
| C6 | 12-30001-106 | Capacitor, Tantalum 10uf | | |
| C7 | 12-20003-509 | Capacitor, Electrolytic 50,000uf | | |
| C8 | 12-30001-105 | Capacitor, Tantalum 1.uf 35V | | |
| C9 | 12-20003-209 | Capacitor, Electrolytic 20,000uf | | |
| C10 | 12-10001-332 | Capacitor, Ceramic .0033uf | | |
| C11 | 12-30001-476 | Capacitor, Tantalum 47uf | | |
| C12 | 12-30001-105 | Capacitor, Tantalum 1 uf 35V | | |
| C13 | 12-10004-103 | Capacitor, Ceramic .01uf | | |
| C14 | 12-10001-102 | Capacitor, .001uf | | |
| C15 | 12-30001-476 | Capacitor, Tantalum 47uf | | |
| C16 | 12-20002-108 | Capacitor, Electrolytic 1,000uf | | |
| C17 | 12-30001-225 | Capacitor, Tantalum 2.2uf 25V | | |
| C18 | 12-30001-225 | Capacitor, Tantalum 2.2uf 25V | | |
| C19 | 12-30001-105 | Capacitor, Tantalum 1.uf 35V | | |
| F1 | 24-00003-010 | 10A Fuse | | |
| F2 | 24-00003-010 | 10A Fuse | | |
| F3 | 24-00003-003 | Fuse. 2A | | |
| F4 | 24-00003-004 | Fuse, 4A | | |
| F5 | 24-00003-004 | Fuse 4A | | |
| BR1 | 13-00100-025 | Diode Bridge 25A, 100V | | |
| BR2 | 13-00100-012 | Diode Bridge 12A. 100V | | |
| BR3 | 13-00100-002 | Diode Bridge 2A. 100V | | |
| D1 | 13-14002-001 | Diode IN4002 | | |
| D2 | 13-14002-001 | Diode IN4002 | | |
| D3 | 13-10752-001 | Diode, Zener IN752 | | |
| D4 | 13-14002-001 | Diode IN4002 | | |
| D5 | 13-14002-001 | Diode IN4002 | | |
| D6 | 13-14002-001 | Diode IN4002 | | |
| D7 | 13-10964-001 | Diode, Zener IN964 | | |
| D8 | 13-14002-001 | Diode IN4002 | | |
| D9 | 13-14002-001 | Diode IN4002 | | |
| D10 | 13-14002-001 | Diode IN4002 | | |
| D11 | 13-14002-001 | Diode IN4002 | | |
| D12 | 13-14002-001 | Diode IN4002 | | |
| LED1 | 13-00001-001 | LED (Red) | | |
| LED2 | 13-00001-001 | LED (Red) | | |
| LED3 | 13-00001-001 | LED (Red) | | |
| LED4 | 13-00001-001 | LED (Red) | | |
| U1 | 15-62500-001 | Opto Coupler H11AA2 | | |
| U2 | 15-50556-001 | Timer (Dual) 556 | | |
| U3 | 15-50723-001 | | | |
| U4 | 15-50723-001 | Voltage Regulator 723 | | |

POWER SUPPLY

| SYM PART NO. D | | DESCRIPTION | |
|----------------|--------------|-----------------------------|--|
| REG1 | 15-57912-001 | Voltage Regulator 7912 | |
| REG2 | 15-57905-001 | Voltage Regulator 79L05 | |
| Q1 | 14-22905-001 | Transistor 2N2905 | |
| Q2 | 14-22905-001 | Transistor 2N2905 | |
| Q3 | 14-22905-001 | Transistor 2N2905 | |
| Q4 | 14-22905-001 | Transistor 2N2905 | |
| Q 5 | 14-23055-001 | Transistor 2N3055 | |
| Q6 | 14-22905-001 | Transistor 2N2905 | |
| Q 7 | 14-20030-001 | Transistor TIP-30A | |
| Q8 | 14-26401-001 | SCR 2N6401 | |
| 09 | 14-26401-001 | SCR 2N6401 | |
| J1 | 25-00022-006 | Connector, 1-380999-0 6Pin | |
| J2 | 25-00022-008 | Connector, 350212-1 8Pin | |
| J3 | 25-00002-014 | Connector, 09-60-1141 14Pin | |
| J4 | 25-00002-014 | Connector, 09-60-1140 14Pin | |
| | 24-10001-001 | Fuse Clips | |
| | 30-00220-002 | Heat Sink Dual To-220 | |
| | 30-00003-001 | Heat Sink Single To-3 | |

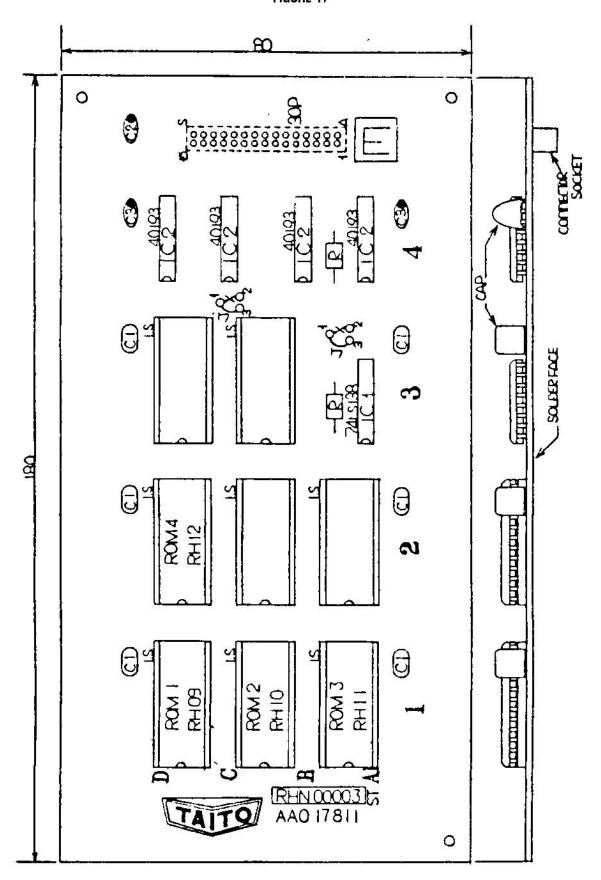
POWER SUPPLY COMPONENT LAYOUT



ROM BOARD

| ITEM | SYM | TAITO PART NO. | DESCRIPTION |
|------|-------|-------------------|----------------------------|
| 1 | | | ROM PC BOARD |
| 2 | | - 1/2/10/2 | NOT USED |
| 3 | 30P | 99-AA055161 | CONNECTOR SOCKET HKP-30FD |
| 4 | 18 | 99-AA055787 | IC - SOCKET 24P |
| 5 | | 1 | NOT USED |
| 6 | IC1 | 99-AAT33096 | LS - IC 74LS138 |
| 7 | IC2 | 99-AAT36071 | CMOS 40193 |
| 8 | ROM 1 | 99-RH090409 | PROM (2732) RH09 |
| 9 | ROM 2 | 99-RH090410 | PROM (2732) RH10 |
| 10 | ROM 3 | 99-RH090411 | PROM (2732) RH11 |
| 11 | ROM 4 | 99-RH090412 | PROM (2732) RH12 |
| 12 | | | NOT USED |
| 13 | | 2200 | NOT USED |
| 14 | | | NOT USED |
| 15 | | | NOT USED |
| 16 | | 10.0000 1.0000 | NOT USED |
| 17 | C1 | 99-AAT41244 | CAP, FILM TDY-1H-104 |
| 18 | C2 | 99-AAT41430 | CAP, TANTALUM SSG25-10F |
| 19 | C3 | 99-AAT41436 | CAP, TANTALUM SSG35-1F |
| 20 | R | 99-AAT51765 | RES, CARBON 1 KOHM 1/4W 5% |
| 21 | J | 99-AA062637 | TINNED COPPER WIRE 10 |
| 22 | | | NOT USED |
| 23 | S1 | 99-RH070203 | PC BOARD STICKER RHN00003 |

ROM PC BOARD LAYOUT

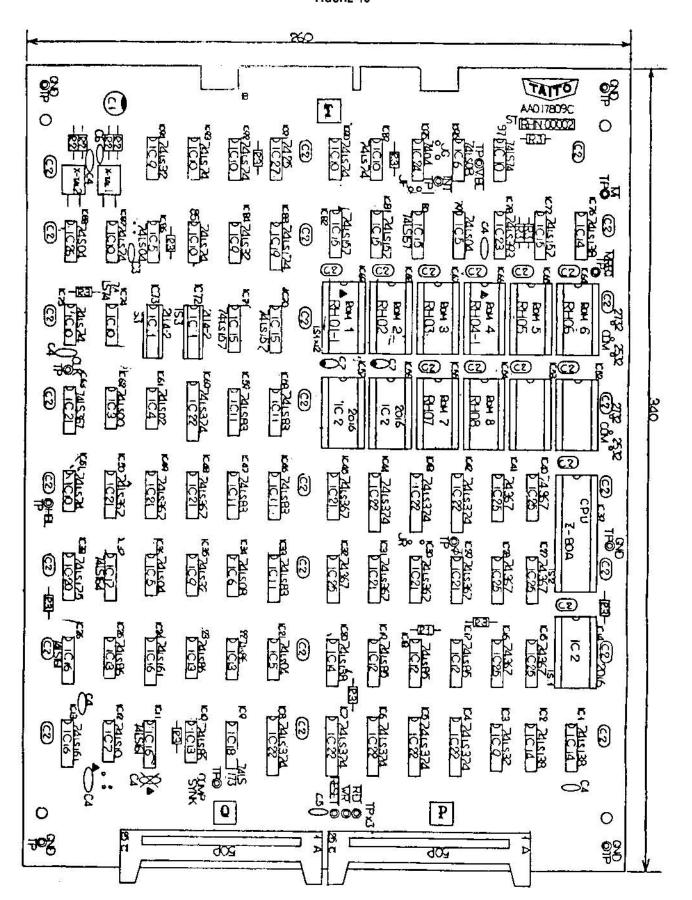


CPU BOARD

| ITEM | SYM | TAITO PART NO. | DESCRIPTION |
|------|--------|-------------------|---------------------------|
| 1 | | | CPU BOARD |
| 2 | ST | 99-RH070202 | PC BOARD STICKER RHN00002 |
| 3 | 50P | 99-AA055310 | ANGLE PIN HEADER PS-50P |
| 4 | 1S1 | 99-AA055787 | IC - SOCKET 24P |
| 5 | 1S2 | 99-AA055812 | IC - SOCKET 40P |
| 6 | 1P | 99-AA056551 | TEST POINT |
| 7 | XTAL 2 | 99-AA069605 | X-TAL 12MHZ |
| 8 | XTAL 1 | 99-AA069608 | X-TAL 8MHZ |
| 9 | 153 | 99-AA055103 | IC - SOCKET 18P |
| 10 | | 80 | NOT USED |
| 11 | IC1 | 99-AAT32163 | STATIC RAM 2114-7 |
| 12 | IC2 | 99-AAT32178 | STATIC RAM TMM2016P |
| 13 | IC3 | 99-AAT33001 | LS-IC 74LS00 |
| 14 | IC4 | 99-AAT33003 | LS-IC 74LS02 |
| 15 | IC5 | 99-AAT33005 | LS-IC 74LS04 |
| 16 | IC6 | 99-AAT33009 | LS-IC 74LS08 |
| 17 | IC7 | 99-AAT33011 | LS-IC 74LS10 |
| 18 | 3.5 | | NOT USED |
| 19 | IC9 | 99-AAT33027 | LS-IC 74LS32 |
| 20 | IC10 | 99-AAT33051 | LS-IC 74LS74 |
| 21 | IC11 | 99-AAT33059 | LS-IC 74LS83 |
| 22 | IC12 | 99-AAT33061 | LS-IC 74LS85 |
| 23 | łC13 | 99-AAT33062 | LS-IC 74LS86 |
| 24 | IC14 | 99-AAT33096 | LS-IC 74LS138 |
| 25 | IC15 | 99-AAT33112 | LS-IC 74LS157 |
| 26 | IC16 | 99-AAT33116 | LS-IC 74LS161 |
| 27 | IC17 | 99-AAT33119 | LS-IC 74LS164 |
| 28 | IÇ18 | 99-AAT33126 | LS-IC 74LS173 |
| 29 | IC19 | 99-AAT33127 | LS-IC 74LS174 |
| 30 | IC20 | 99-AAT33128 | LS-IC 74LS175 |

| ITEM | SYM | TAITO PART NO. | DESCRIPTION |
|------|-------|-------------------|-----------------------------|
| 31 | IC21 | 99-AAT33203 | LS-IC 74LS367 |
| 32 | IC22 | 99-AAT33209 | LS-IC 74LS374 |
| 33 | IC23 | 99-AAT33220 | LS-IC 74LS393 |
| 34 | CPU | 99-AAT34008 | CPU 7-80A |
| 35 | IC24 | 99-AAT32003 | TTL-IC 7404 |
| 36 | IC25 | 99-AAT32099 | TTL-IC 74367 |
| 37 | C1 | 99-AAT41023 | CAP, ELECTROLYTIC 16VB220 |
| 38 | C2 | 99-AAT41244 | CAP, FILM TDY-1H-104 |
| 39 | C3 | 99-AAT41302 | CAP. CERAMIC 22PF50V |
| 40 | C4 | 99-AAT41324 | CAP, CERAMIC 180PF50V |
| 41 | C5 | 99-AAT41330 | CAP, CERAMIC 330PF50V |
| 42 | C6 | 99-AAT41411 | CAP, CERAMIC 10000P50V |
| 43 | C7 | 99-AAT41436 | CAP, TANTALUM SSG35-1F |
| 44 | R1 | 99-AAT51749 | RES, CARBON 220 OHM 1/4W 5% |
| 45 | R2 | 99-AAT51253 | RES, CARBON 330 OHM 1/4W 5% |
| 46 | R3 | 99-AAT51265 | RES, CARBON 1K OHM 1/4W 5% |
| 47 | | - | NOT USED |
| 48 | | | NOT USED |
| 49 | ROM 2 | 99-RH090402 | PROM (2732) RH02 |
| 50_ | ROM 3 | 99-RH090403 | PROM (2732) RH03 |
| 51 | | | NOT USED |
| 52 | ROM 5 | 99-RH090405 | PROM (2732) RH05 |
| 53 | ROM 6 | 99-RH090406 | PROM (2732) RH06 |
| 54 | ROM 7 | 99-RH090407 | PROM (2732) RH07 |
| 55 | ROM 8 | 99-RH090408 | PROM (2732) RH08 |
| 56 | ROM 1 | 99-RH090415 | PROM (2732) RH 01-01 |
| 57 | ROM 4 | 99-RH090414 | PROM (2732) RH 04-01 |
| 58 | IC26 | 99-AAT38003 | S-IC 74S04 |
| 59 | IC27 | 99-AAT32006 | TTL-IC 7475 |

CPU PC BOARD LAYOUT

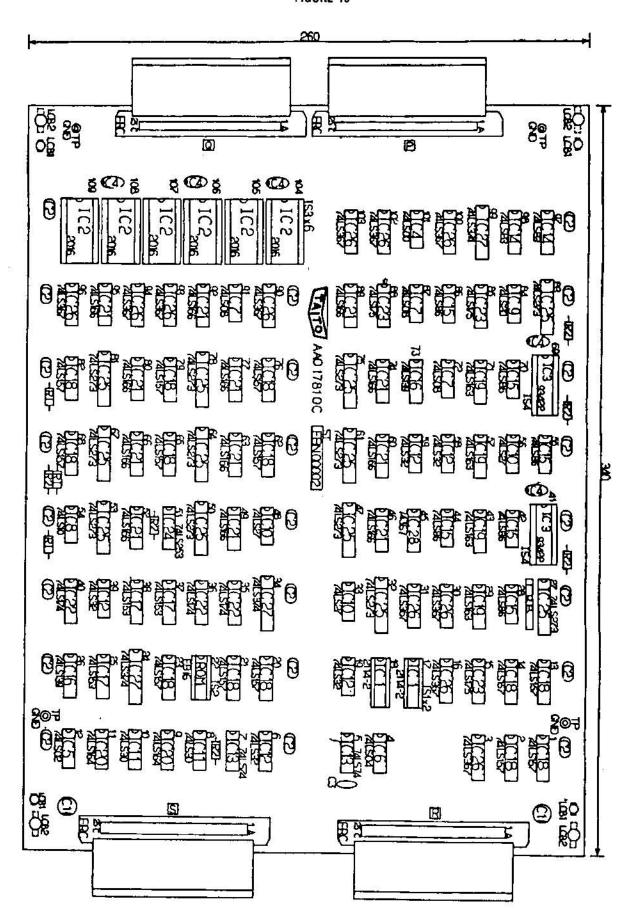


VIDEO BOARD

| ITEM | SYM | TAITO PART NO. | DESCRIPTION |
|------|------------|-------------------|-------------------------------|
| 1 | 2) | | VIDEO PC BOARD |
| 2 | LCB | 99-AA069557 | LOCKING CIRCUIT BOARD SUPPORT |
| 3 | FRC | 99-AAS00262 | FRC HARNESS ASSY 50P |
| 4 | IS1 | 99-AA055103 | IC SOCKET 18P |
| 5 | 1\$2 | 99-AA055286 | IC SOCKET 16P |
| 6 | IS3 | 99-AA055287 | IC SOCKET 24P |
| 7 | IS4 | 99-AA055999 | IC SOCKET 22P |
| 8 | TP | 99-AA056551 | TEST POINT |
| 9 | LCB2 | 99-AA069589 | LOCKING CIRCUIT BOARD SUPPORT |
| 10 | IC1 | 99-AAT32163 | STATIC RAM 2114-2 |
| 11 | IC2 | 99-AAT32178 | STATIC RAM TMM2016P |
| 12 | 1C3 | 99-AAT32180 | TTL-RAM 93422 |
| 13 | 1C4 | 99-AAT33001 | LS-IC 74LS00 |
| 14 | IC5 | 99-AAT33003 | LS-IC 74LS02 |
| 15 | IC6 | 99-AAT33005 | LS-IC 74LS04 |
| 16 | IC7 | 99-AAT33009 | LS-IC 74LS0 |
| 17 | 1C8 | 99-AAT33011 | LS-IC 74LS10 |
| 18 | 109 | 99-AAT33019 | LS-IC 74LS20 |
| 19 | IC10 | 99-AAT33024 | LS-IC 74LS27 |
| 20 | IC11 | 99-AAT33026 | LS-IC 74LS30 |
| 21 | IC12 | 99-AAT33027 | LS-IC 74LS32 |
| 22 | IC13 | 99-AAT33051 | LS-IC 74LS51 |
| 23 | IC14 | 99-AAT33059 | LS-IC 74LS83 |
| 24 | IC15 | 99-AAT33062 | LS-IC 74LS86 |

| ITEM | SYM | TAITO PART NO. | DESCRIPTION |
|------|------|-------------------|-------------------------------------|
| 25 | IC16 | 99-AAT33092 | LS-IC 74LS139 |
| 26 | IC17 | 99-AAT33108 | LS-IC 74LS153 |
| 27 | IC18 | 99-AAT33112 | LS-IC 74LS157 |
| 28 | IC19 | 99-AAT33118 | LS-IC 74LS163 |
| 29 | IC20 | 99-AAT33119 | LS-IC 74LS164 |
| 30 | IC21 | 99-AAT33121 | LS-IC 74LS121 |
| 31 | IC22 | 99-AAT33127 | LS-IC 74LS174 |
| 32 | IC23 | 99-AAT33128 | LS-1C 74LS175 |
| 33 | IC24 | 99-AAT33163 | LS-IC 74LS253 |
| 34 | IC25 | 99-AAT33170 | LS-IC 74LS273 |
| 35 | IC26 | 99-AAT33203 | LS-IC 74LS367 |
| 36 | IC27 | 99-AAT33209 | LS-IC 74LS374 |
| 37 | IC28 | 99-AAT32099 | TTL IC 74367 |
| 38 | ROM | 99-EB090016 | PROM (74S287) EB16 |
| 39 | | | NOT USED |
| 40 | C1 | 99-AAT41023 | CAP, ELECTROLYTIC 16VB220 |
| 41 | C2 | 99-AAT41244 | CAP, FILM TDY-1H-104 |
| 42 | C3 | 99-AAT41324 | CAP, CERAMIC DT 203 180P |
| 43 | C4 | 99-AAT41436 | CAP, TANTALUM SSG35-1F |
| 44 | R1 | 99-AAT51757 | RES, CARBON 470 OHM 1/4W 5% |
| 45 | R2 | 99-AAT51765 | RES, CARBON 1K OHM 1/4W 5% |
| 46 | RB | 99-AAT55036 | RESISTOR BLOCK 1K OHM 8 ELEMENTS |
| 47 | ST | 99-FB070006 | PC BOARD STICKER FBN00002 |

VIDEO PC BOARD LAYOUT



GAME BOARD

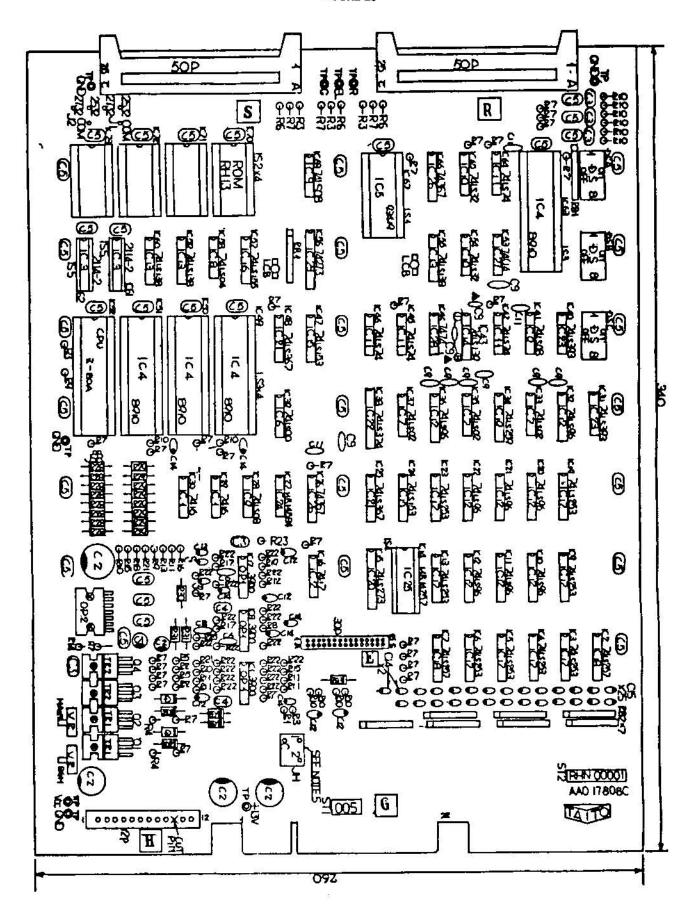
| ITEM | SYM | TAITO PART NO. | DESCRIPTION |
|------|---------|-------------------|-------------------------------|
| 1 | | | GAME PCB |
| 2 | IS5 | 99-AA055103 | IC SOCKET 18P |
| 3 | DS | 99-AA052566 | DIP SWITCH |
| 5 | 30P | 99-AA055160 | CONNECTOR PLUG HKP-30M |
| 6 | IS1 | 99-AA055169 | IC SOCKET 28P |
| 7 | 50P | 99-AA055310 | ANGLE PIN HEADER PS-50PA |
| 8 | IS2 | 99-AA055787 | IC SOCKET 24P |
| 9 | IS3 | 99-AA055812 | IC SOCKET 40P |
| 10 | IS4 | 99-AA055000 | IC SOCKET 22P |
| 11 | TP | 99-AA056551 | TEST POINT |
| 12 | LCB | 99-AA060557 | LOCKING CIRCUIT BOARD SUPPORT |
| 13 | TR1 | 99-AAT11040 | TRANSISTOR 25A423 |
| 14 | 100 | | PAN HO SCREW M3X6 |
| 15 | | | NUT M3 |
| 16 | TR2 | 99-AAT11070 | TRANSISTOR 25D635 |
| 17 | | | PAN HO SCREW |
| 18 | 0.526.9 | 2207 | NUT M3 |
| 19 | 0P1 | 99-AAT31011 | OP AMPLIFIER 1M3000 |
| 20 | 082 | 99-AAT31050 | OP AMPLIFIER MR3230 |
| 21 | | | PAN HO SCREW M3X8 |
| 22 | | | NUT M3 |
| 23 | IC1 | 99-AAT32033 | TTL-IC 7416 |
| 24 | IC2 | 99-AAT32049 | TTL-IC 7417 |
| 25 | IC3 | 99-AAT32163 | STATIC RAM 2114.2 |
| 26 | IC4 | 99-AAT32165 | SOUND IC AY38910 |
| 27 | IC5 | 99-AAT32179 | TTL - RAM 93410 |
| 28 | IC6 | 99-AAT33001 | LS-IC 74LS00 |
| 29 | 107 | 99-AAT33003 | LS-IC 74LS02 |
| 30 | IC8 | 99-AAT33005 | LS-IC 74LS04 |
| 31 | IC9 | 99-AAT33009 | LS-IC 74LS08 |
| 32 | IC10 | 99-AAT33027 | TI (ONLY) 74LS37 |
| 53 | IC11 | 99-AAT33051 | LS-IC 74LS74 |
| 34 | IC12 | 99-AAT33070 | LS-IC 74LS96 |
| 35 | IC13 | 99-AAT33096 | LS-IC 74LS138 |
| 36 | IC14 | 99-AAT33097 | LS-IC 74LS139 |
| 37 | IC15 | 99-AAT33108 | LS-IC 74LS153 |
| 38 | IC16 | 99-AAT33110 | LS-IC 74LS155 |
| 39 | IC17 | 99-AAT33163 | LS-IC 74LS253 |
| 40 | IC18 | 99-AAT33164 | LS-IC 74LS257 |
| 41 | IC19 | 99-AAT33166 | LS-IC 74LS259 |
| 42 | IC20 | 99-AAT33170 | LS-IC 74LS273 |
| 43 | 1C21 | 99-AAT33203 | LS-IC 74LS367 |
| 44 | IC22 | 99-AAT33209 | LS-IC 74LS374 |
| 45 | IC23 | 99-AAT33220 | LS-IC 74LS393 |
| 46 | CPU | 99-AAT34008 | CPU Z-80A |
| 47 | IC24 | 99-AAT36105 | CMOS MB14584 |
| 48 | IC25 | 99-AAT32005 | CUSTOM IC MB14257 |

| 49 IC28 99-AAT32099 TTL IC 74367 50 IC27 99-AAT32003 TTL IC 7404 51 IC28 99-AAT32011 TTL IC 7474 52 IC29 99-AAT32151 TTL IC 7427 53 ROM 99-RH090413 PROM (2732) RH-13 54 C1 99-AAT41019 CAP, ELECTROLYTIC 16VB22 55 C2 99-AAT41023 CAP, ELECTROLYTIC 16VB22 56 C3 99-AAT41238 CAP, FILM TDY-1M-103 57 C4 99-AAT41740 CAP, FILM TDY-1H-104 59 C6 99-AAT41244 CAP, FILM TDY-1H-104 59 C6 99-AAT41310 CAP, CERAMIC 47PF 50V 60 NOT USED 61 C8 99-AAT41374 CAP, CERAMIC 150PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG35-0R 66 C13 99-AAT41431 CAP, TANTALUM SSG35-1F 68 | |
|--|-------|
| 51 IC28 99-AAT32011 TTL IC 7474 52 IC29 99-AAT32151 TTL IC 7427 53 ROM 99-RH090413 PROM (2732) RH-13 54 C1 99-AAT41019 CAP, ELECTROLYTIC 16VB22 55 C2 99-AAT41023 CAP, ELECTROLYTIC 16VB22 56 C3 99-AAT41238 CAP, FILM TDY-1M-103 57 C4 99-AAT41240 CAP, FILM TDY-1H-223 58 C5 99-AAT41244 CAP, FILM TDY-1H-104 59 C6 99-AAT41310 CAP, CERAMIC 47PF 50V 60 NOT USED 61 C8 99-AAT41322 CAP, CERAMIC 150PF 50V 62 C9 99-AAT41334 CAP, CERAMIC 470PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG35-0R 66 C13 99-AAT41431 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-1F | -29 |
| 52 IC29 99-AAT32151 TTL IC 7427 53 ROM 99-RH090413 PROM (2732) RH-13 54 C1 99-AAT41019 CAP, ELECTROLYTIC 16VB22 55 C2 99-AAT41023 CAP, ELECTROLYTIC 16VB22 56 C3 99-AAT41238 CAP, FILM TDY-1M-103 57 C4 99-AAT41740 CAP, FILM TDY-1H-223 58 C5 99-AAT41244 CAP, FILM TDY-1H-104 59 C6 99-AAT41310 CAP, CERAMIC 47PF 50V 60 NOT USED 61 C8 99-AAT41322 CAP, CERAMIC 150PF 50V 62 C9 99-AAT41334 CAP, CERAMIC 470PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG35-10F 66 C13 99-AAT41431 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R2 | |
| 53 ROM 99-RH090413 PROM (2732) RH-13 54 C1 99-AAT41019 CAP, ELECTROLYTIC 16VB22 55 C2 99-AAT41023 CAP, ELECTROLYTIC 16VB22 56 C3 99-AAT41238 CAP, FILM TDY-1M-103 57 C4 99-AAT41740 CAP, FILM TDY-1H-104 59 C5 99-AAT41244 CAP, FILM TDY-1H-104 59 C6 99-AAT41310 CAP, CERAMIC 47PF 50V 60 NOT USED 61 C8 99-AAT41322 CAP, CERAMIC 150PF 50V 62 C9 99-AAT41374 CAP, CERAMIC 180PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG35-0R 66 C13 99-AAT41431 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R2 | |
| 54 C1 99-AAT41019 CAP, ELECTROLYTIC 16VB22 55 C2 99-AAT41023 CAP, ELECTROLYTIC 16VB22 56 C3 99-AAT41238 CAP, FILM TDY-1M-103 57 C4 99-AAT41740 CAP, FILM TDY-1H-223 58 C5 99-AAT41244 CAP, FILM TDY-1H-104 59 C6 99-AAT41310 CAP, CERAMIC 47PF 50V 60 NOT USED 61 C8 99-AAT41322 CAP, CERAMIC 150PF 50V 62 C9 99-AAT41374 CAP, CERAMIC 180PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG25-10F 66 C13 99-AAT41431 CAP, TANTALUM SSG35-0R 67 C14 99-AAT41437 CAP, TANTALUM SSG35-7R 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R | |
| 55 C2 99-AAT41023 CAP, ELECTROLYTIC 16VB22 56 C3 99-AAT41238 CAP, FILM TDY-1M-103 57 C4 99-AAT41740 CAP, FILM TDY-1H-223 58 C5 99-AAT41244 CAP, FILM TDY-1H-104 59 C6 99-AAT41310 CAP, CERAMIC 47PF 50V 60 NOT USED 61 C8 99-AAT41322 CAP, CERAMIC 150PF 50V 62 C9 99-AAT41374 CAP, CERAMIC 180PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG25-10F 66 C13 99-AAT41431 CAP, TANTALUM SSG35-0R 67 C14 99-AAT41437 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R | |
| 56 C3 99-AAT41238 CAP, FILM TDY-1M-103 57 C4 99-AAT41740 CAP, FILM TDY-1H-123 58 C5 99-AAT41244 CAP, FILM TDY-1H-104 59 C6 99-AAT41310 CAP, CERAMIC 47PF 50V 60 NOT USED 61 C8 99-AAT41322 CAP, CERAMIC 150PF 50V 62 C9 99-AAT41374 CAP, CERAMIC 180PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG25-10F 66 C13 99-AAT41431 CAP, TANTALUM SSG35-0R 67 C14 99-AAT41437 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R2 | 20 MF |
| 57 C4 99-AAT41740 CAP, FILM TDY-1H-223 58 C5 99-AAT41244 CAP, FILM TDY-1H-104 59 C6 99-AAT41310 CAP, CERAMIC 47PF 50V 60 NOT USED 61 C8 99-AAT41322 CAP, CERAMIC 150PF 50V 62 C9 99-AAT41374 CAP, CERAMIC 180PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG25-10F 66 C13 99-AAT41431 CAP, TANTALUM SSG35-0R 67 C14 99-AAT41437 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R2 | 20 |
| 58 C5 99-AAT41244 CAP, FILM TDY-1H-104 59 C6 99-AAT41310 CAP, CERAMIC 47PF 50V 60 NOT USED 61 C8 99-AAT41322 CAP, CERAMIC 150PF 50V 62 C9 99-AAT41374 CAP, CERAMIC 180PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG25-10P 66 C13 99-AAT41431 CAP, TANTALUM SSG35-0R 67 C14 99-AAT41436 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R2 | |
| 59 C6 99-AAT41310 CAP, CERAMIC 47PF 50V 60 NOT USED 61 C8 99-AAT41322 CAP, CERAMIC 150PF 50V 62 C9 99-AAT41374 CAP, CERAMIC 180PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG25-10F 66 C13 99-AAT41431 CAP, TANTALUM SSG35-0R 67 C14 99-AAT41436 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R2 | XX |
| 60 NOT USED 61 C8 99-AAT41322 CAP, CERAMIC 150PF 50V 62 C9 99-AAT41374 CAP, CERAMIC 180PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG25-10F 66 C13 99-AAT41431 CAP, TANTALUM SSG35-0R 67 C14 99-AAT41436 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R2 | 2 |
| 61 C8 99-AAT41322 CAP, CERAMIC 150PF 50V 62 C9 99-AAT41374 CAP, CERAMIC 180PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG25-10F 66 C13 99-AAT41431 CAP, TANTALUM SSG35-0R 67 C14 99-AAT41436 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R2 | |
| 62 C9 99-AAT41374 CAP, CERAMIC 180PF 50V 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG25-10P 66 C13 99-AAT41431 CAP, TANTALUM SSG35-0R 67 C14 99-AAT41436 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R2 | |
| 63 NOT USED 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG25-10P 66 C13 99-AAT41431 CAP, TANTALUM SSG35-OR 67 C14 99-AAT41436 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R2 | |
| 64 C11 99-AAT41334 CAP, CERAMIC 470PF 50V 65 C12 99-AAT41430 CAP, TANTALUM SSG25-10F 66 C13 99-AAT41431 CAP, TANTALUM SSG35-0R 67 C14 99-AAT41436 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R2 | |
| 65 C12 99-AAT41430 CAP, TANTALUM SSG25-10F 66 C13 99-AAT41431 CAP, TANTALUM SSG35-0R 67 C14 99-AAT41436 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35-7R2 | |
| 66 C13 99-AAT41431 CAP, TANTALUM SSG35-OR 67 C14 99-AAT41436 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35 7R2 | |
| 67 C14 99-AAT41436 CAP, TANTALUM SSG35-1F 68 C15 99-AAT41437 CAP, TANTALUM SSG35 7R2 | |
| 68 C15 99-AAT41437 CAP, TANTALUM SSG35 7R2 | 1F |
| | *** |
| 69 B1 99-AAT51741 BES CARBON 100 OHM 1/2 | 2F |
| The state of the s | W 5% |
| 70 R2 99-AAT51749 RES, CARBON 220 0HM 1/41 | W 5% |
| 71 R3 99-AAT51751 RES, CARBON 270 DHM 1/49 | N 5% |
| 72 R4 99-AAT51753 RES, CARBON 330 0HM 1/4V | N 5% |
| 73 R5 99-AAT51755 RES, CARBON 390 0HM 1/4V | N 5% |
| 74 R6 99-AAT51757 RES, CARBON 470 OHM 1/4 | W 5% |
| 75 R7 99-AAT51765 RES, CARBON 1K | |
| 76 R8 99-AAT51779 RES, CARBON 396 OHM 1/4 | W 5% |
| 77 R9 99-AAT51781 RES, CARBON 47K OHM 1/4 | W 5% |
| 78 R10 99-AAT51789 RES, CARBON 10K OHM 1/4 | W 5% |
| 79 R11 99-AAT51796 RES, CARBON 20K OHM 1/4 | W 5% |
| 80 R12 99-AAT51797 RES, CARBON 22K 0HM 1/4 | W 5% |
| 81 R13 99-AAT51803 RES, CARBON 39K OHM 1/4 | W 5% |
| 82 R14 99-AAT51775 RES, CARBON 2.7K OHM 1/4 | W 5% |
| 83 R15 99-AAT51811 RES, CARBON 82K OHM 1/4 | W 5% |
| 84 R16 99-AAT51817 RES, CARBON 100K OHM 1/4 | W 5% |
| 85 R17 99-AAT51823 RES, CARBON 270K 0HM1/4 | IW 5% |
| 86 R18 99-AAT51825 RES, CARBON 330K 0HM1/4 | W 5% |
| 87 R19 99-AAT51827 RES, CARBON 390K 0HM1/4 | IW 5% |
| 88 R20 99-AAT51829 RES, CARBON 470K OHM 1/4 | W 5% |
| 89 R21 99-AAT51833 RES, CARBON 680K OHM 1/4 | IW 5% |
| 90 R22 99-AAT51837 RES, CARBON 1M OHM 1/4V | V 5% |
| 91 R23 99-AAT51733 RES, CARBON 47 OHM 1/4W | 5% |
| 92 NOT USED | 60 |
| 93 R25 99-AAT51845 22M DHM 1/4W 5% | - 10 |
| 94 NOT USED | |
| 95 NOT USED | |

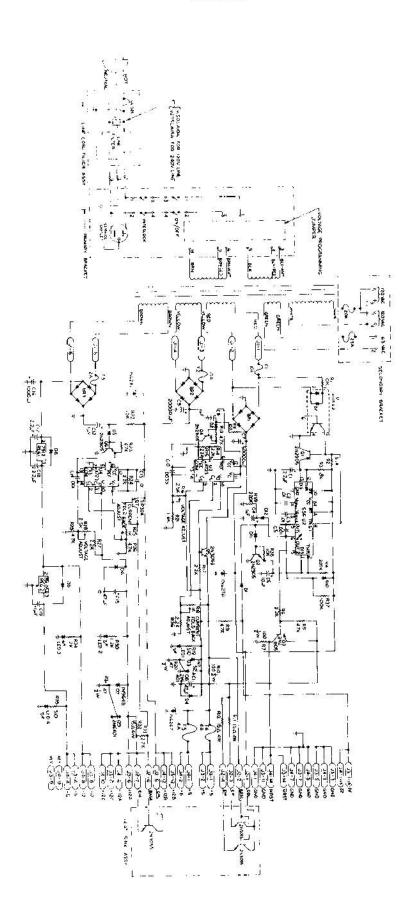
GAME BOARD

| ITEM | SYM | TAITO PART NO. | DESCRIPTION |
|------|-----|-------------------|---------------------------------------|
| 96 | R28 | 99-AAT51068 | 15K OHM 1/4W 5% |
| 97 | R29 | 99-AAT51969 | 30K OHM 1/4W 5% |
| 98 | R30 | 99-AAT51971 | 1M 1/4W 5% |
| 99 | R31 | 99-AAT51982 | RES, CARBON 1 OHM 1/2W 5% |
| 100 | VR | 99-AAT53041 | VARIABLE RESISTOR B-50K |
| 101 | RB1 | 99-AAT55036 | RESISTOR BLOCK 1K OHM 8 ELEMENTS |
| 102 | RB2 | 99-AAT55061 | RESISTOR BLOCK 10K 100 OHM 8 ELEMENTS |
| 103 | D | 99-AAT12009 | DIODE V03C |
| 104 | ZD1 | 99-AAT13025 | ZENER DIODE RD4.2EC |
| 105 | ZD2 | 99-AAT13026 | ZENER DIODE RD5,6EB |
| 106 | ZD3 | 99-AAT13028 | ZENER DIODE RD9A-M |
| 107 | ST1 | 99-EE070004 | HARNESS STICKER |
| 108 | ST2 | 99-RH070201 | PCB STICKER RHN00001 |

GAME PC BOARD LAYOUT

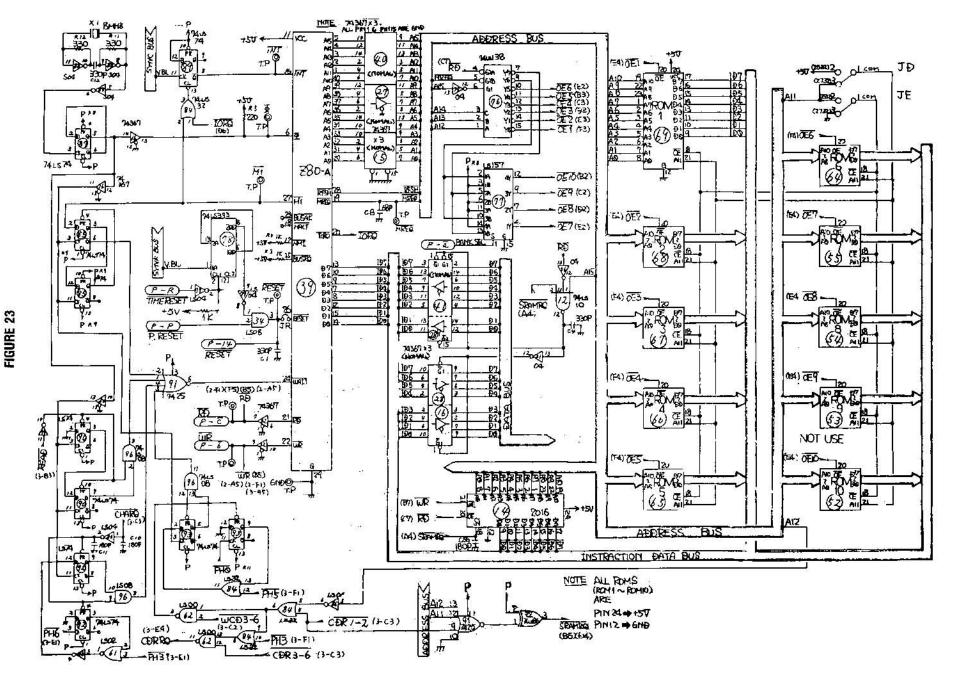


POWER SUPPLY SCHEMATIC 1 OF 1 FIGURE 21



E-4 10 EXEMPTED 25 (E-D) (E-II) (E-M) Œ-50-Œ-7)-Œ CE-B) Œ ŒĐ (E-9) CE-E) ŒĐO: ED7 ŒĐ Y4 Œ-Đ Œ32 As 2A DX \$ROM6 \$ ŒÐ 中山市 CE-3DEXTROM1 A6 30 600 SROM75 A11 07 EXCE AD 3B DE SROMBS An ZED EX \$ O Т**©** 0.1µ. Y8 07 13 14 → GNĐ (E-Z) EXPHR EXCE FILM TARTALUM MOTE ; CAP

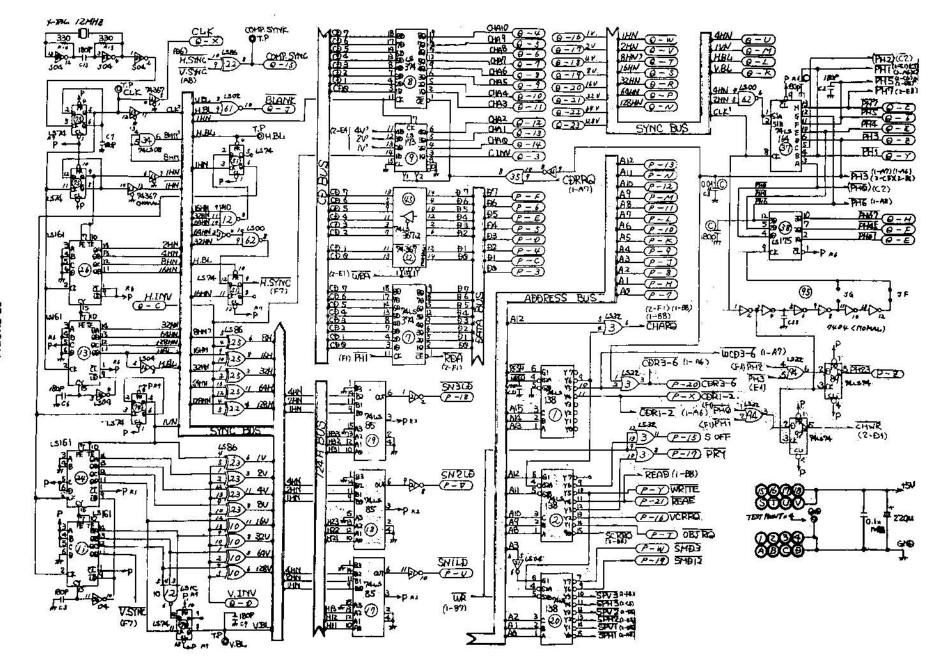
ROM PC BOARD SCHEMATIC 1 OF 1

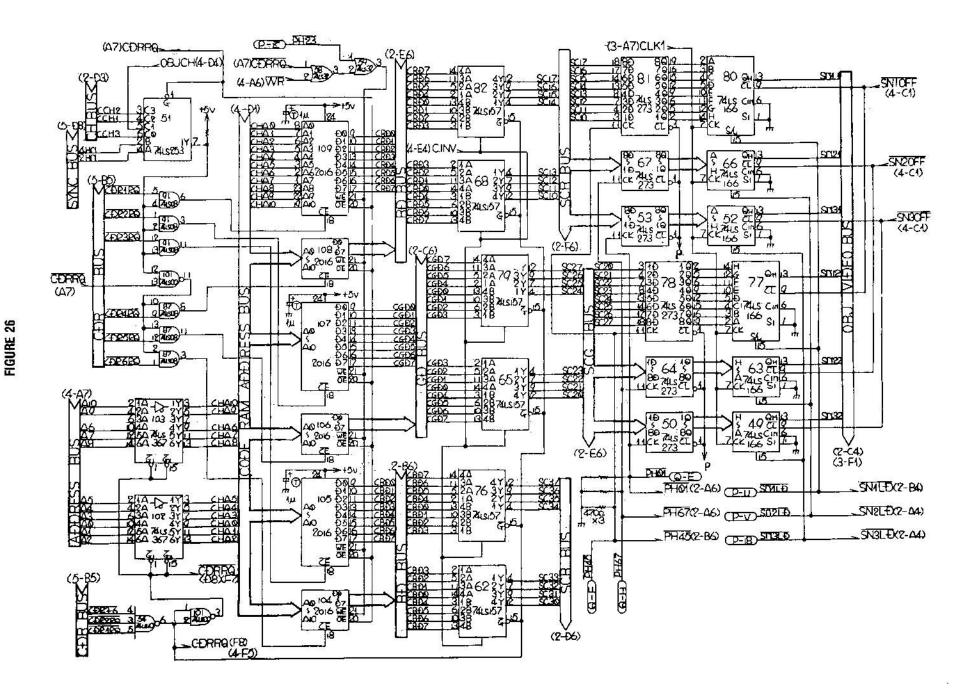


128v' CAT CAS CAS 7 18 (8) y. 39 RDA (3-CF) <u>د8</u>ع CA BUS 5V3 -2HH (06) 11-A31 (1-c') 4HN (04) 35 (232 4V' | 0-ES CAL 3 +507 150 8s83 13157 ()-4) 种(SPV2 . R)61 2 3 4 4 (HWR (3-C4) (644E) (I-FI) PHS 2HN 2HN (86) (F2) 4HN 4HN (86) (F2) 8H (C6) CPU PC BOARD SCHEMATIC 2 OF BUS (Q) -7443 374 (A) FIGURE 24 SPVI. (3-A3) (3-E1) PH3 5367 (3) (4) ADDRESS RUS 8H (B6) SPH3. SCDA (3-A3) PHE (1-4) 196) 4HN __ 2HN __ 200 2 21K-5 Œ B STUP 10 VE SCRRC, SPH2 = - 743(1-EI) 441' 321' 445' 840' 16.22 16.22 16.22 क्रमा-PHI (1-EI) 6-43

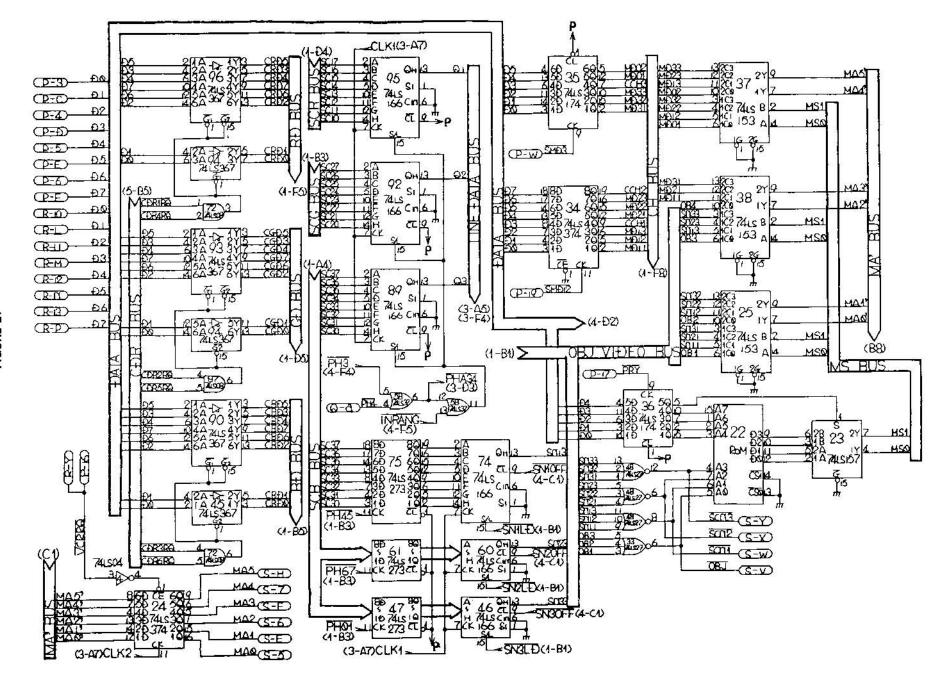
S

CPU PC BOARD SCHEMATIC 3 OF 3 FIGURE 25



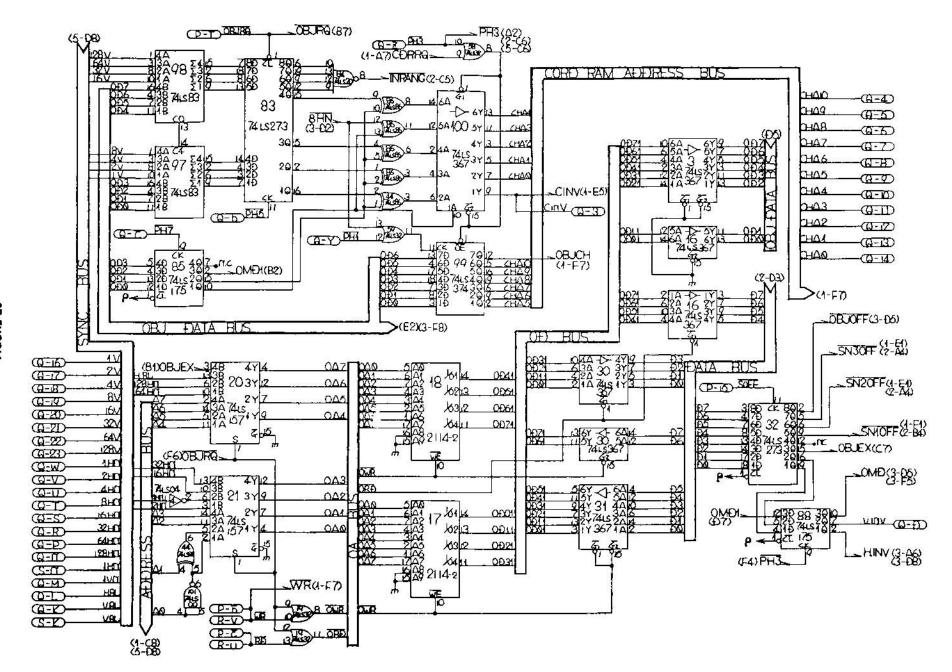


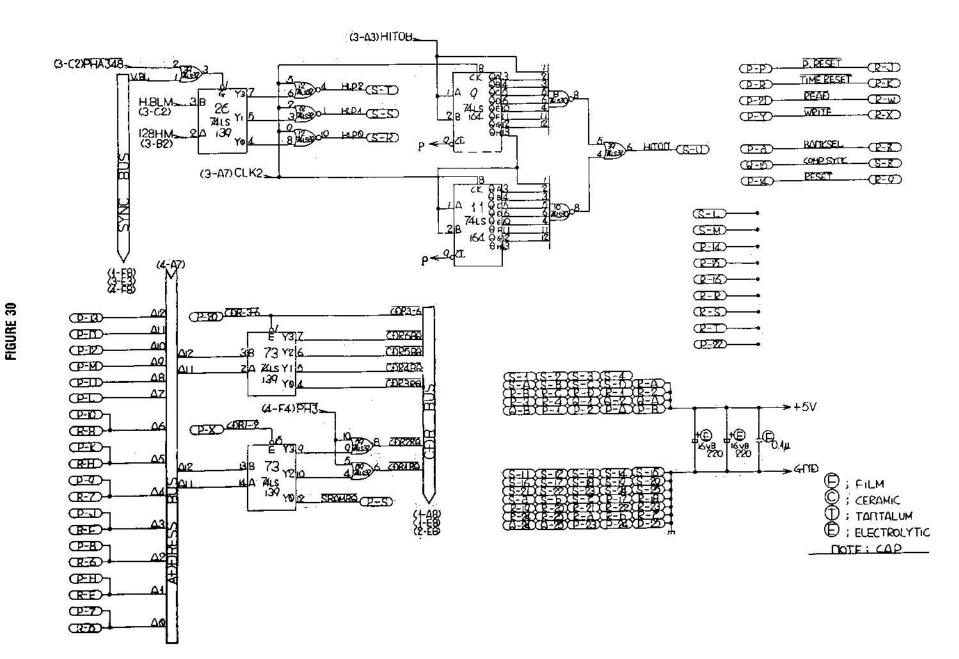
VIDEO PC BOARD SCHEMATIC 2 OF PIGURE 27

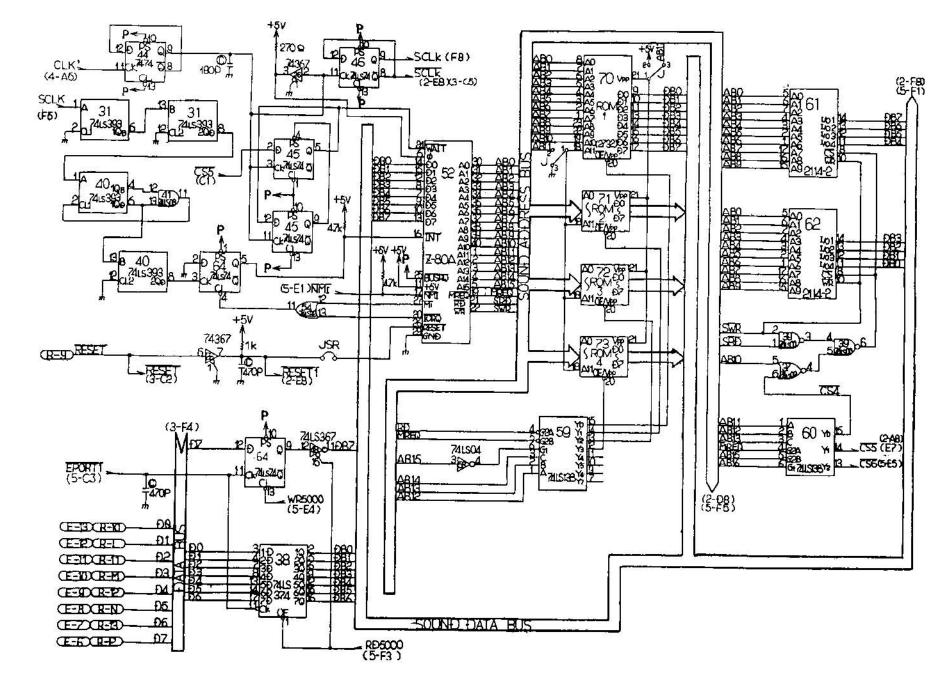


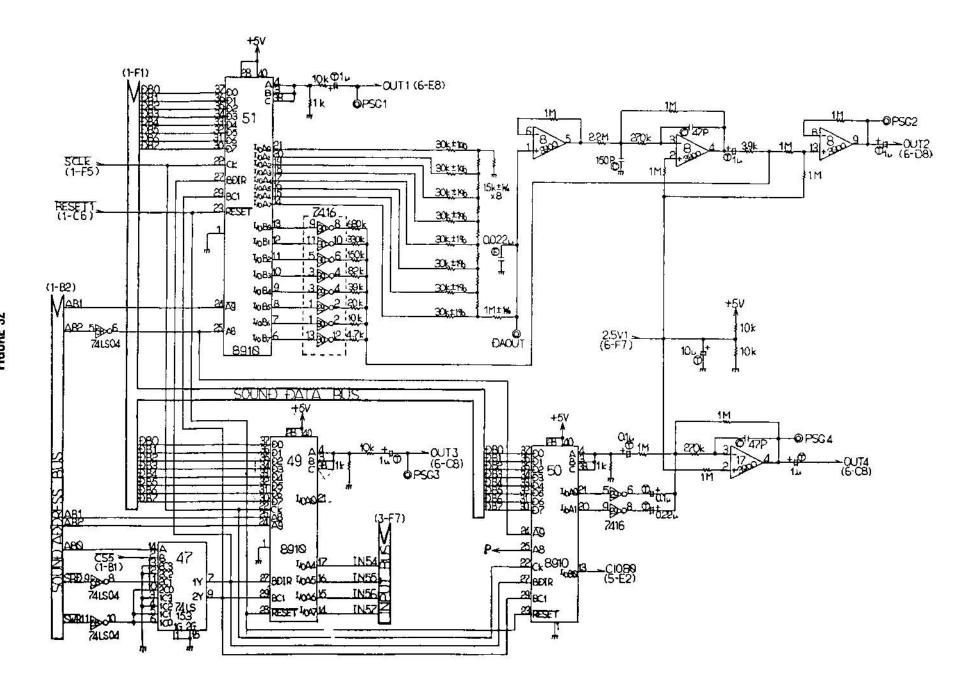
(C1) LNSE2~ (M) KEJUI: (A7)CLK2 -(4-D5) M (4-B1)OMD = ENCL T(E1) 75.74 D131 74 LS 157 (B3)OBJH. CSIR BLACK -GE-D с-08) Мид н.в. OE 18 (S-10) 93422 0 8 INCL2 £03 2 (B8) 3 LNLD2 VIDEO PC BOARD SCHEMATIC 3 OF (2-C5)PHA34. DOENSEI .. 15V (4-DI) L OBJOFFs FIGURE 28 OMD= (4-81) H.INV= (4-41) LNSL2(F3) (0.6) (C3) 7 A7 (A7)CLK2 BOOL PHA348(5-F8) HBLM(5-F8) 93422 B 128HM(5-E8) EAHM(S-9) 32HM(C=Z) 08JH(E5) IEHWCZ-8D (D1) [NLD2: (EI) ENCL 2 (2-59)<u>∑ (</u>2 · (DI)ENSL1: K2(F2) (2-AB) (5-E7) OBJH ENSL2(C1) CE-XO HILM CO. C.) 74LS367×2 HITOB (5-F5) (T=22) -H.INV(4-Δ1)

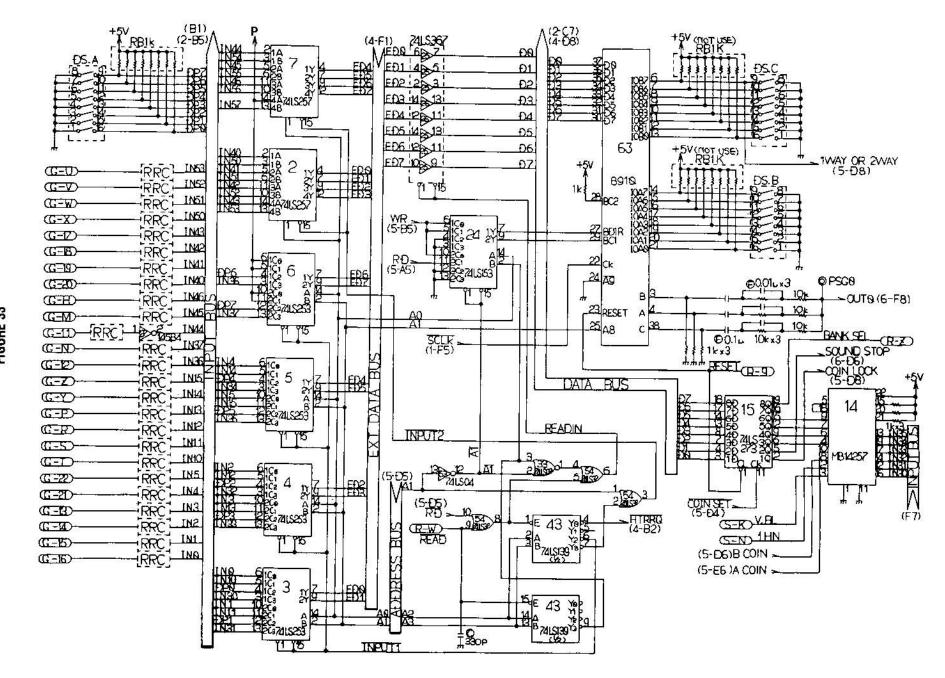
VIDEO PC BOARD SCHEMATIC 4 OF 5 FIGURE 29











GAME PC BOARD SCHEMATIC 4 OF 6

